-39-

WE CLAIM:

1.   A compound of formula I:

I;
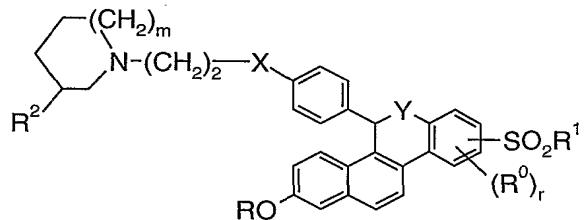
wherein:

m and r are independently 0, 1 or 2;

R is H, $SO_2(n\text{-}C_4\text{-}C_6$ alkyl$)$ or COR^3;

R^0 is independently at each occurrence OH, CF_3, halo, $C_1\text{-}C_6$ alkyl or $C_1\text{-}C_6$ alkoxy;

R^1 is $C_1\text{-}C_6$ alkyl, $C_1\text{-}C_6$ alkoxy, NR^4R^{4a}, CF_3 or CH_2CF_3;

R^2 is H or methyl provided that if m is 1 or 2, then R^2 must be H and that if m is 0, then R^2 must be methyl;

R^3 is $C_1\text{-}C_6$ alkyl, $C_1\text{-}C_6$ alkoxy, NR^6R^{6a}, phenoxy, or phenyl optionally substituted with halo;

R^4 is $C_1\text{-}C_6$ alkyl or phenyl;

R^{4a}, R^6 and R^{6a} are independently at each occurrence H, $C_1\text{-}C_6$ alkyl or phenyl;

X is O or NR^7;

Y is O or S; and

R^7 is H or $C_1\text{-}C_6$ alkyl; or a pharmaceutical acid addition salt thereof.

2.   The compound of claim 1 wherein X and Y are O and m is 1 or 2.

3.   The compound of claim 1 or 2 wherein r is 0.

-40-

4.   The compound of any one of claims 1-3 wherein R is H or COR^3 and R^3 is C_1-C_4 alkyl, $NHCH_3$ or phenyl.

5.   The compound of any one of claims 1-4 wherein R is H and m is 1.

6.   The compound of any one of claims 1-5 wherein the SO_2R^1 moiety is at the 4-position.

7.   The compound of any one of claims 1-6 wherein R^1 is C_1-C_4 alkyl, CF_3 or NR^4R^{4a} and R^4 is C_1-C_4 alkyl and R^{4a} is H or C_1-C_4 alkyl.

8.   The compound of any one of claims 1-7 wherein R^1 is methyl, ethyl, cyclopropyl, CF_3 , $NHCH_3$ or $N(CH_3)_2$.

9.   A compound selected from the group consisting of:
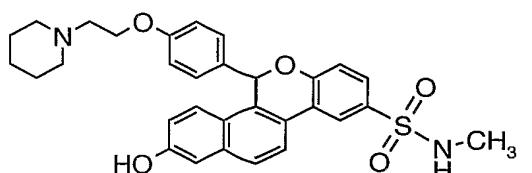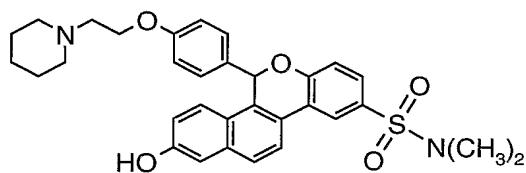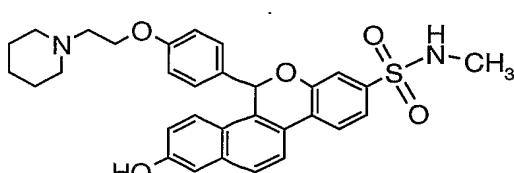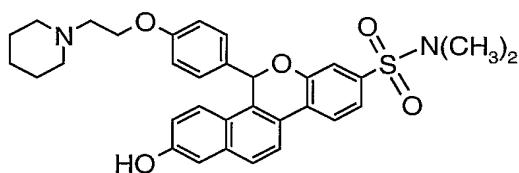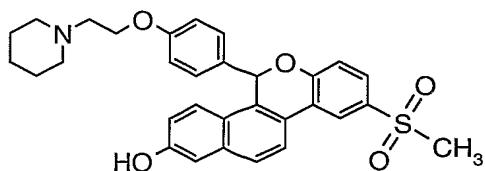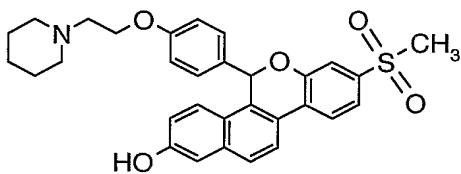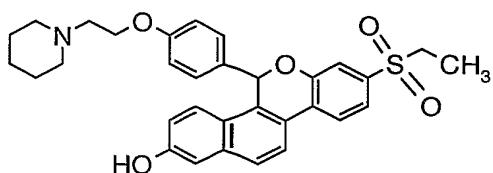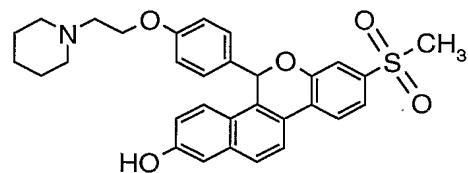
or a pharmaceutical acid addition salt thereof.

10.   The compound of any one of claims 1-9 which is the hydrochloride salt.

11.   A method of treating endometriosis comprising administering to a patient in need thereof an effective amount of a compound of any one of claims 1-10.

12.   A method of treating uterine leiomyoma comprising administering to a patient in need thereof an effective amount of a compound of any one of claims 1-10.

-42-

13.   A compound of any one of claims 1-10 for use in treating endometriosis and/or uterine leiomyoma.

14.   A compound of formula II:

II;
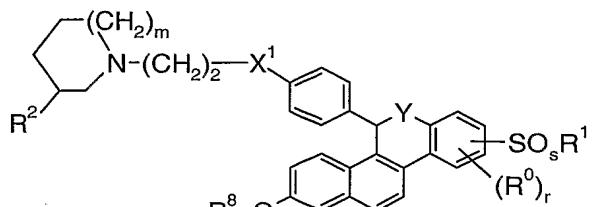
wherein:

m and r are independently 0, 1 or 2;

q is 0 or 1;

s is 0, 1 or 2;

R^0 is independently at each occurrence OH, CF_3, halo, C_1-C_6 alkyl or C_1-C_6 alkoxy;

R^1 is C_1-C_6 alkyl, C_1-C_6 alkoxy, NR^4R^{4a}, CF_3 or CH_2CF_3;

R^2 is H or methyl provided that if m is 1 or 2, then R^2 must be H and that if m is 0, then R^2 must be methyl;

R^8 is H, C_1-C_6 alkyl, benzyl, SO_2CH_3, SO_2(n-C_4-C_6 alkyl) or COR^3;

R^3 is C_1-C_6 alkyl, C_1-C_6 alkoxy, NR^6R^{6a}, phenoxy, or phenyl optionally substituted with halo;

R^4 is C_1-C_6 alkyl or phenyl;

R^{4a}, R^6 and R^{6a} are independently at each occurrence H, C_1-C_6 alkyl or phenyl;

X^1 is O or NR^9;

Y is O or S; and

-43-

R^9 is H, C_1-C_6 alkyl or CO_2(C_1-C_6 alkyl); provided that if s is 2, then R^8 is C_1-C_6 alkyl, SO_2CH_3 or benzyl or R^9 is CO_2(C_1-C_6 alkyl); or an acid addition salt thereof.

15. The compound of claim 14 wherein X^1 and Y are O and m is 1 or 2.

16. The compound of claim 14 or 15 wherein r is 0.

17. The compound of any one of claims 14-16 wherein R^8 is SO_2CH_3, benzyl or methyl.

18. The compound of any one of claims 14-17 wherein m is 1.

19. The compound of any one of claims 14-18 wherein the SO_sR^1 moiety is at the 4-position.

20. The compound of any one of claims 14-19 wherein R^1 is C_1-C_4 alkyl, CF_3 or NR^4R^{4a} and R^4 is C_1-C_4 alkyl and R^{4a} is H or C_1-C_4 alkyl.

21. The compound of any one of claims 14-20 wherein R^1 is methyl, ethyl, cyclopropyl, CF_3, $NHCH_3$ or $N(CH_3)_2$.